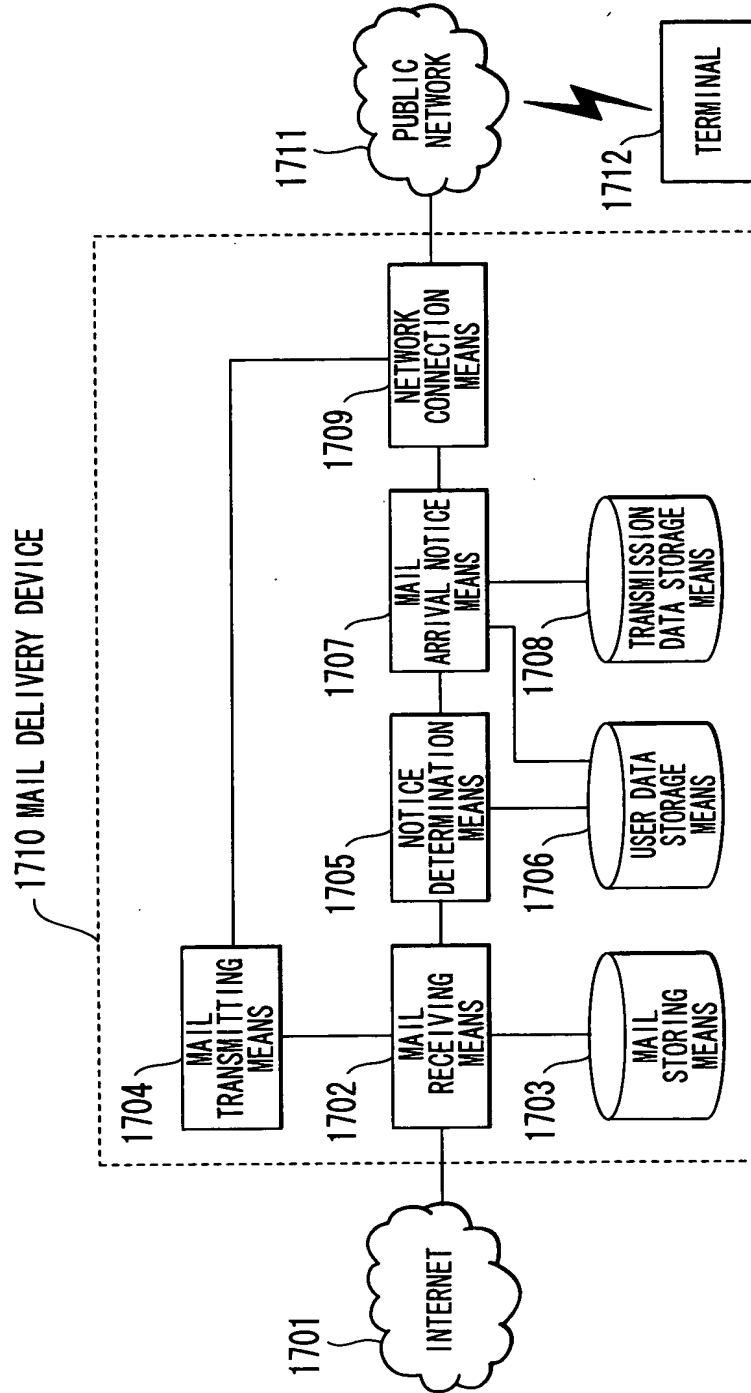


Fig.1



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Fig.2

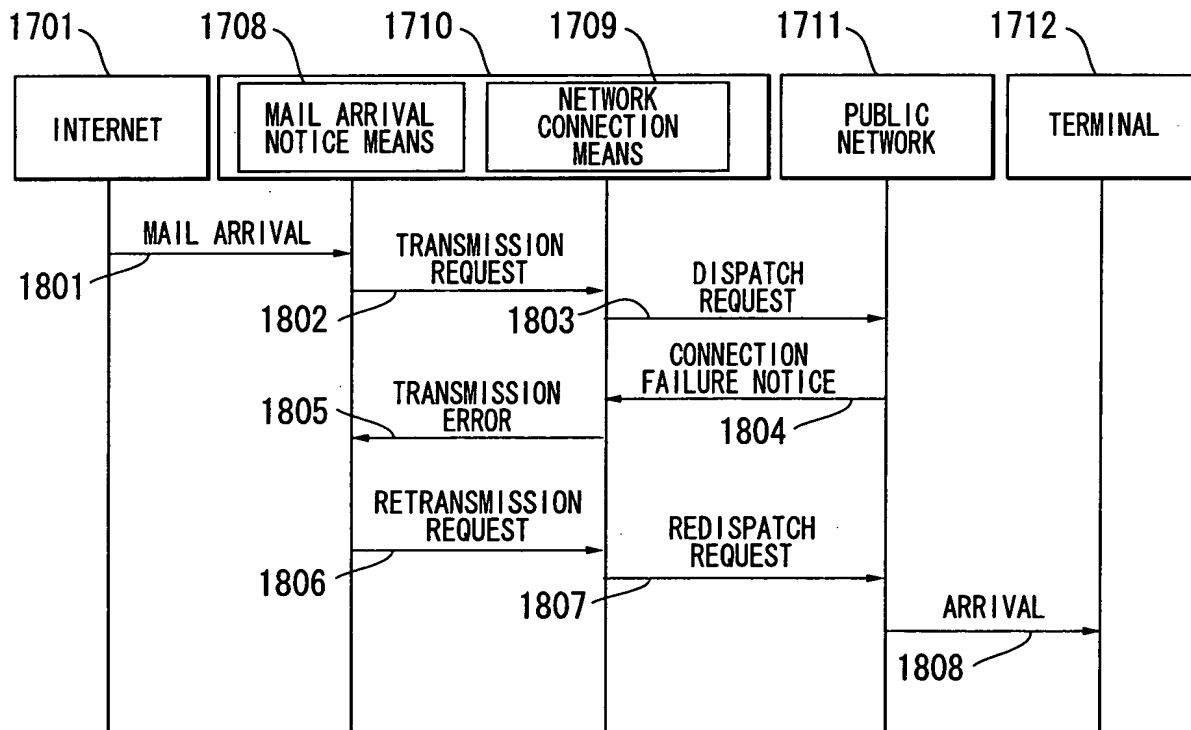
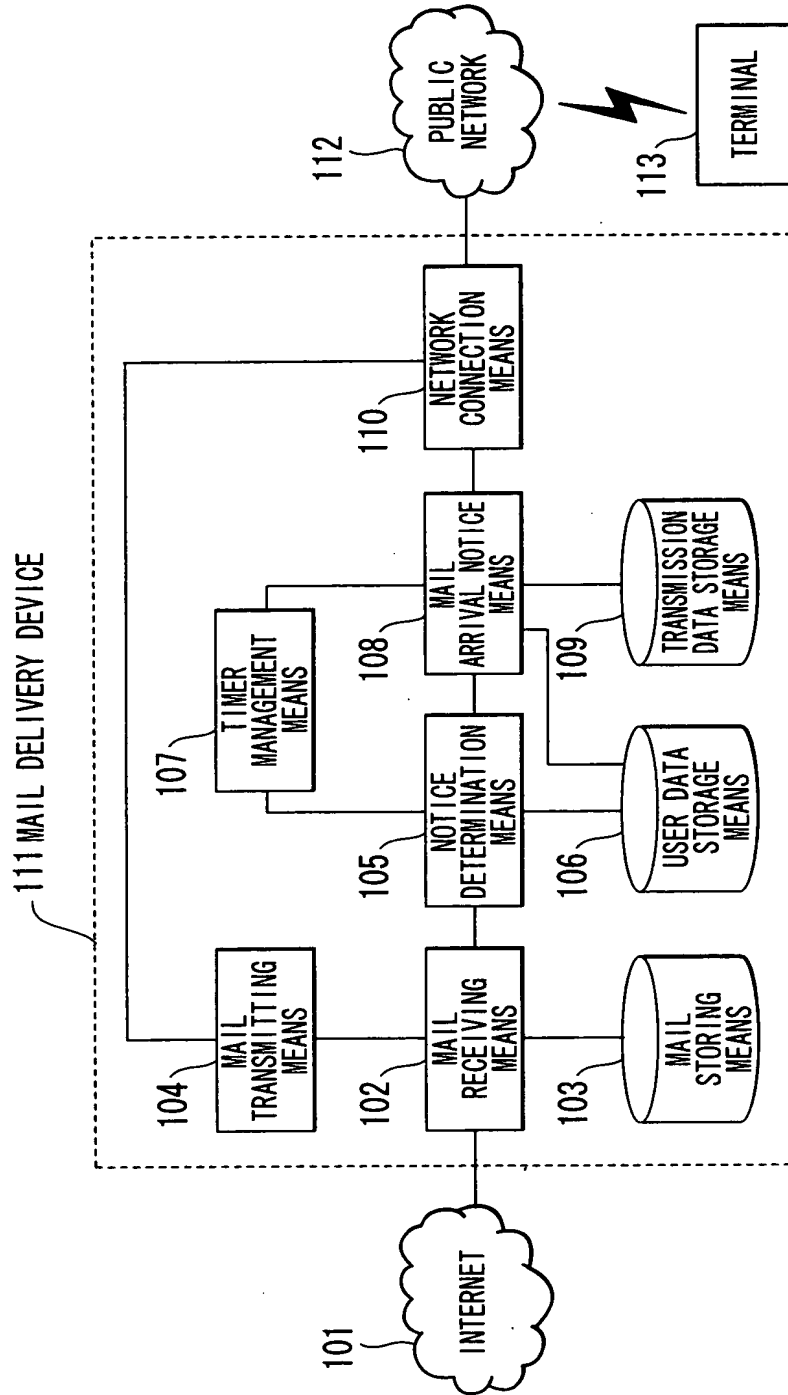
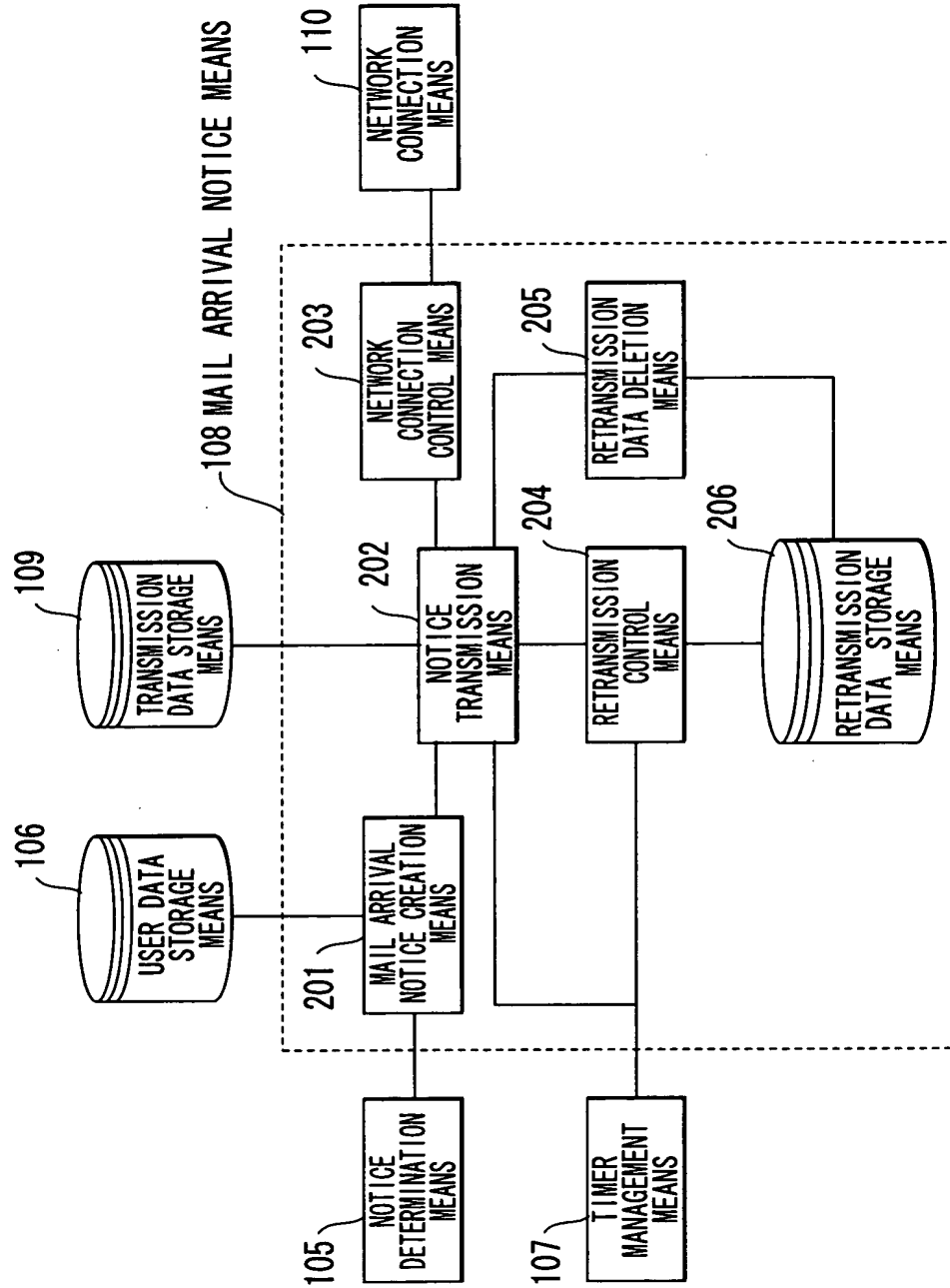


Fig.3



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Fig.4



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Fig.5

USER ID	PHONE NUMBER	NOTICE CONDITION
hachi	070-3234-8023	From=yashichi@mito.jp
bear	090-5444-4238	X-Priority<2
go-inkyō	090-5444-4233	X-Mailer!= Outlook
yota	090-5345-7290	ARRIVAL NOTICE DISABLED

Fig.6

USER ID	PHONE NUMBER
hachi	070-3234-8023
hachi	070-3234-8023
go-inkyō	090-5444-4233
yota	090-5345-7290

Fig.7

501 USER ID	502 PHONE NUMBER	503 SCHEDULED RETRANSMISSION TIME	504 RETRANSMISSION COUNT	505 RETRANSMISSION CONTROL FLAG
hachi	070-3234-8023	13:00	1	
go-inkyō	090-5444-4233	13:00	1	
hachi	070-3234-8023	13:00	1	

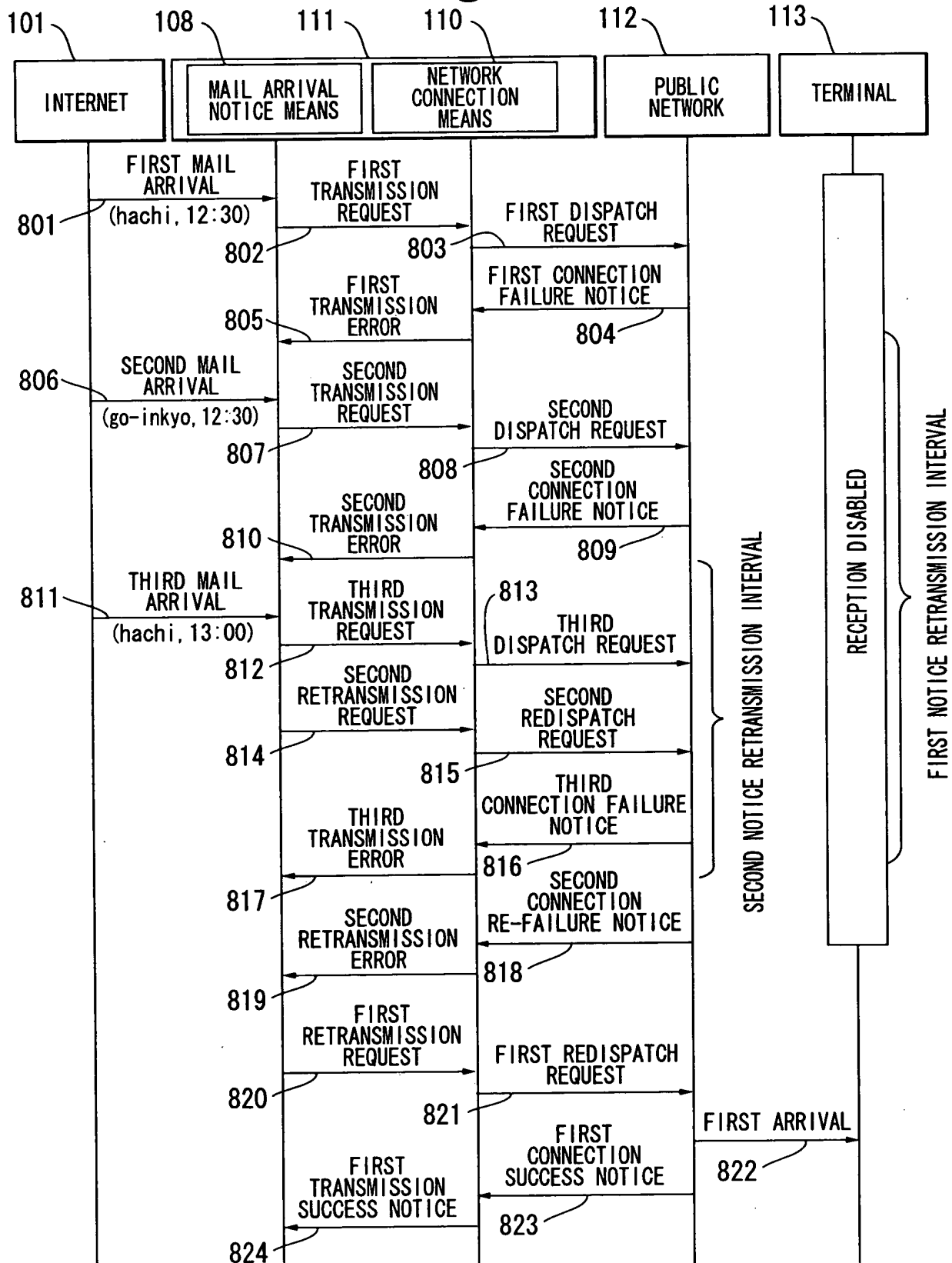
Fig.8

601 TRANSMITTER IDENTIFIER	602 DETAILED INFORMATION
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Fig.9

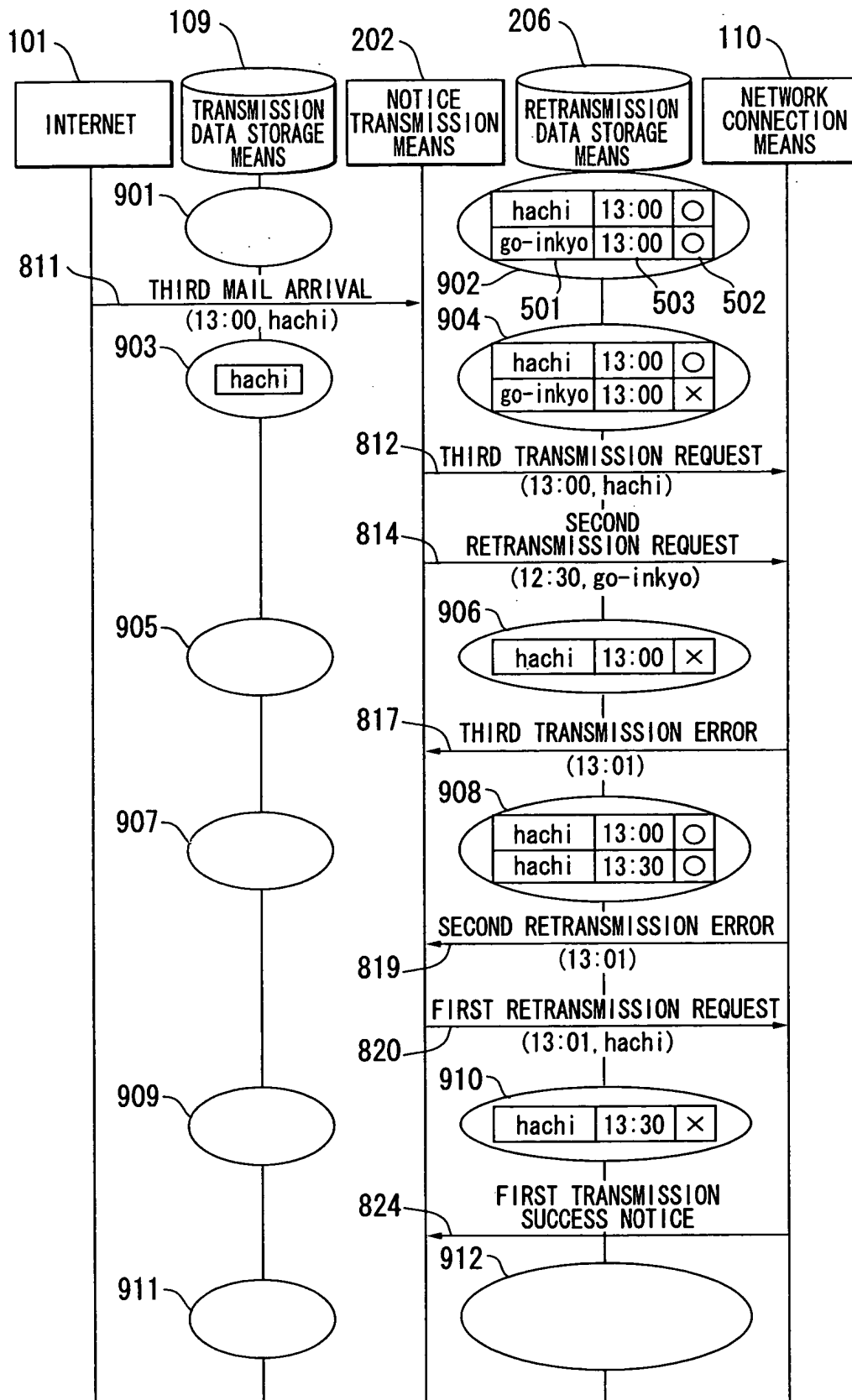
701 TRANSMISSION RESULT	702 DETAILED INFORMATION
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Fig.10



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Fig.11



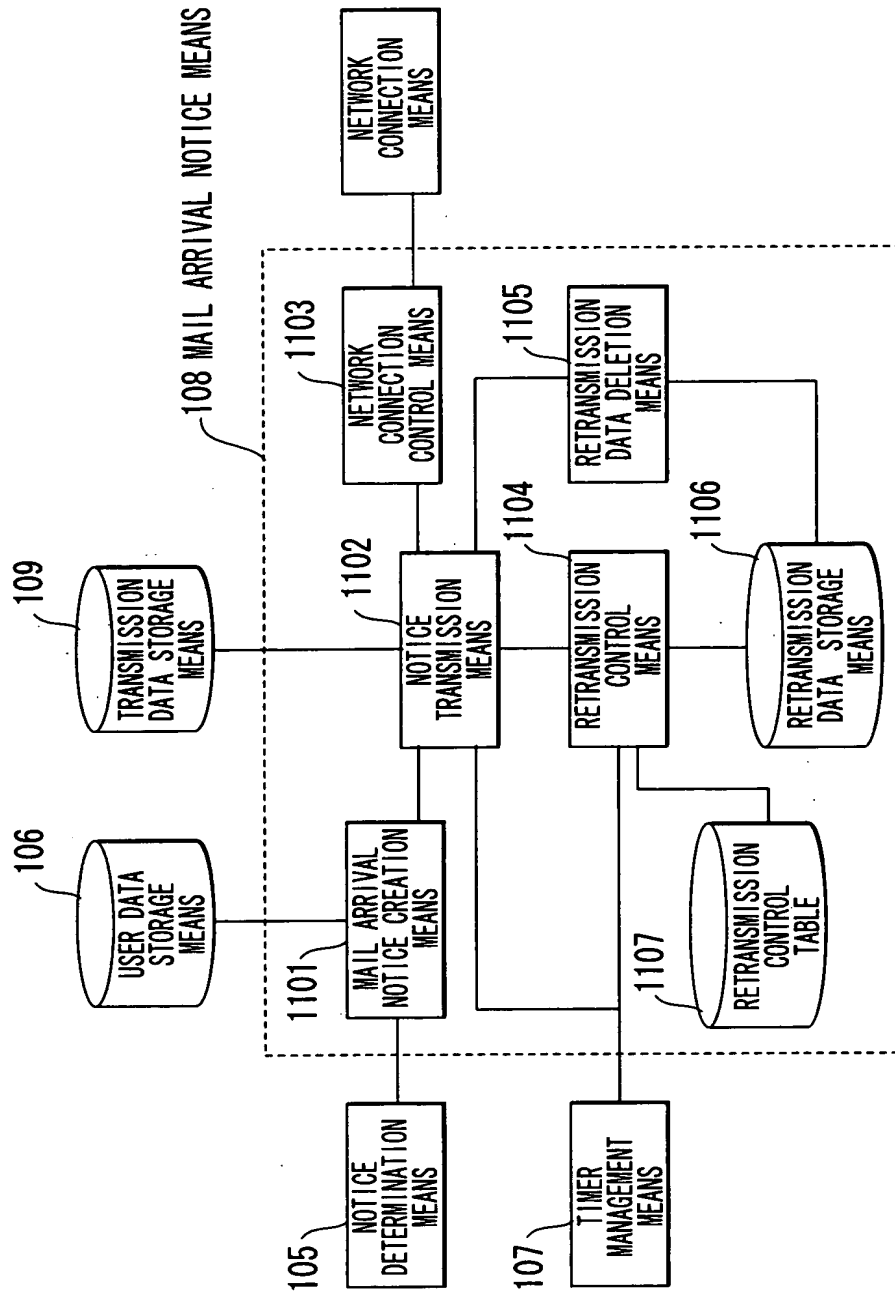

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sequenceDiagram
    participant 101 as INTERNET
    participant 108 as MAIL ARRIVAL NOTICE MEANS
    participant 111 as NETWORK CONNECTION MEANS
    participant 110 as PUBLIC NETWORK
    participant 112 as TERMINAL

    101->>108: FIRST MAIL ARRIVAL (1001)
    108->>111: FIRST TRANSMISSION REQUEST (1002)
    111->>110: FIRST DISPATCH REQUEST (1003)
    110->>112: FIRST CONNECTION FAILURE NOTICE (1004)
    112->>111: FIRST TRANSMISSION ERROR (1005)
    101->>108: SECOND MAIL ARRIVAL (1006)
    108->>111: SECOND TRANSMISSION REQUEST (1007)
    111->>110: SECOND DISPATCH REQUEST (1008)
    110->>112: SECOND CONNECTION FAILURE NOTICE (1009)
    112->>111: SECOND TRANSMISSION ERROR (1010)
    108->>111: SECOND RETRANSMISSION REQUEST (1011)
    111->>110: SECOND REDISPATCH REQUEST (1012)
    110->>112: ARRIVAL (1013)
    
```

The diagram illustrates a mail transmission process involving five main components: INTERNET (101), MAIL ARRIVAL NOTICE MEANS (108), NETWORK CONNECTION MEANS (111), PUBLIC NETWORK (110), and TERMINAL (112). The process begins with the INTERNET sending a FIRST MAIL ARRIVAL (1001) to the MAIL ARRIVAL NOTICE MEANS. This triggers a FIRST TRANSMISSION REQUEST (1002) from the MAIL ARRIVAL NOTICE MEANS to the NETWORK CONNECTION MEANS. The NETWORK CONNECTION MEANS then sends a FIRST DISPATCH REQUEST (1003) to the PUBLIC NETWORK. The PUBLIC NETWORK sends a FIRST CONNECTION FAILURE NOTICE (1004) to the TERMINAL. The TERMINAL responds with a FIRST TRANSMISSION ERROR (1005) to the NETWORK CONNECTION MEANS. Subsequently, the INTERNET sends a SECOND MAIL ARRIVAL (1006) to the MAIL ARRIVAL NOTICE MEANS, which sends a SECOND TRANSMISSION REQUEST (1007) to the NETWORK CONNECTION MEANS. The NETWORK CONNECTION MEANS sends a SECOND DISPATCH REQUEST (1008) to the PUBLIC NETWORK, which sends a SECOND CONNECTION FAILURE NOTICE (1009) to the TERMINAL. The TERMINAL responds with a SECOND TRANSMISSION ERROR (1010) to the NETWORK CONNECTION MEANS. The MAIL ARRIVAL NOTICE MEANS then sends a SECOND RETRANSMISSION REQUEST (1011) to the NETWORK CONNECTION MEANS, which sends a SECOND REDISPATCH REQUEST (1012) to the PUBLIC NETWORK. Finally, the PUBLIC NETWORK sends an ARRIVAL (1013) to the TERMINAL. A RETRANSMISSION INTERVAL is indicated between the first and second mail arrivals.

Fig.13



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Fig.14

TRANSMISSION FAILURE CAUSE	ACTION	
	RETRANSMISSION INTERVAL	RETRANSMISSION COUNT
OUT OF COMMUNICATION - CAPABLE AREA	30 MIN	1
BUSY	10 MIN	3
TERMINAL ATTRIBUTE MISMATCH		0
NETWORK CONNECTION MEANS ERROR	0 MIN	50

Fig.15

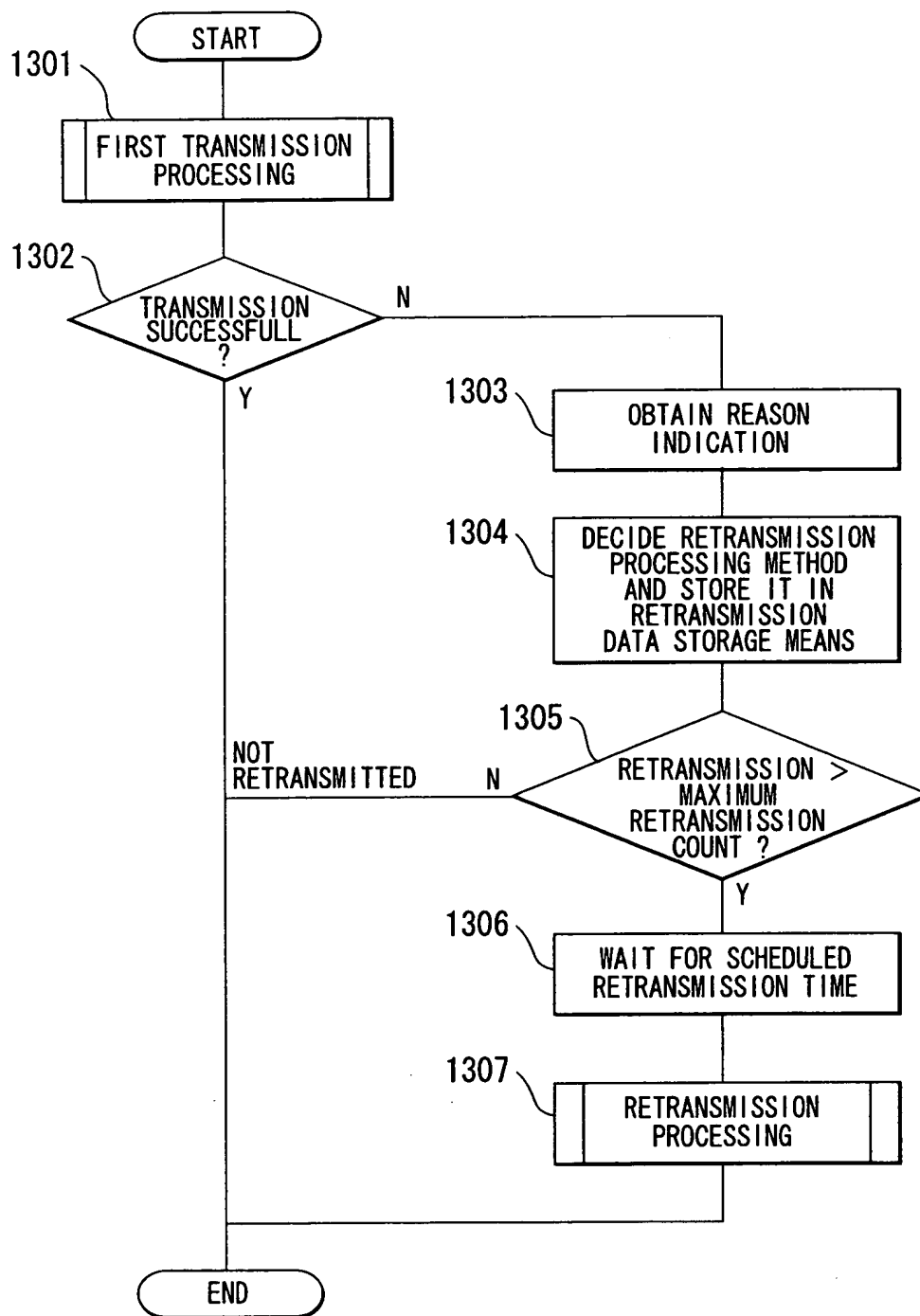
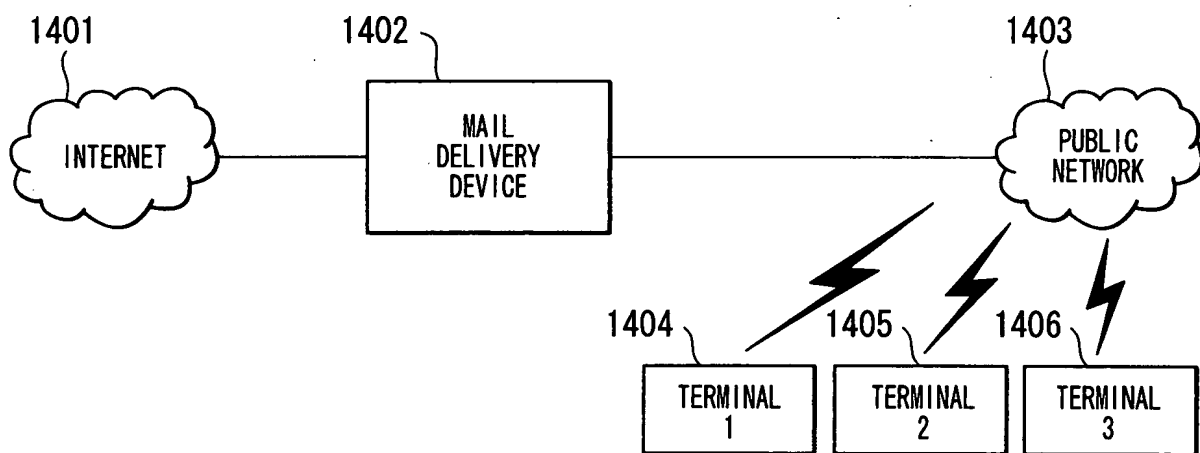


Fig.16



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Fig.17

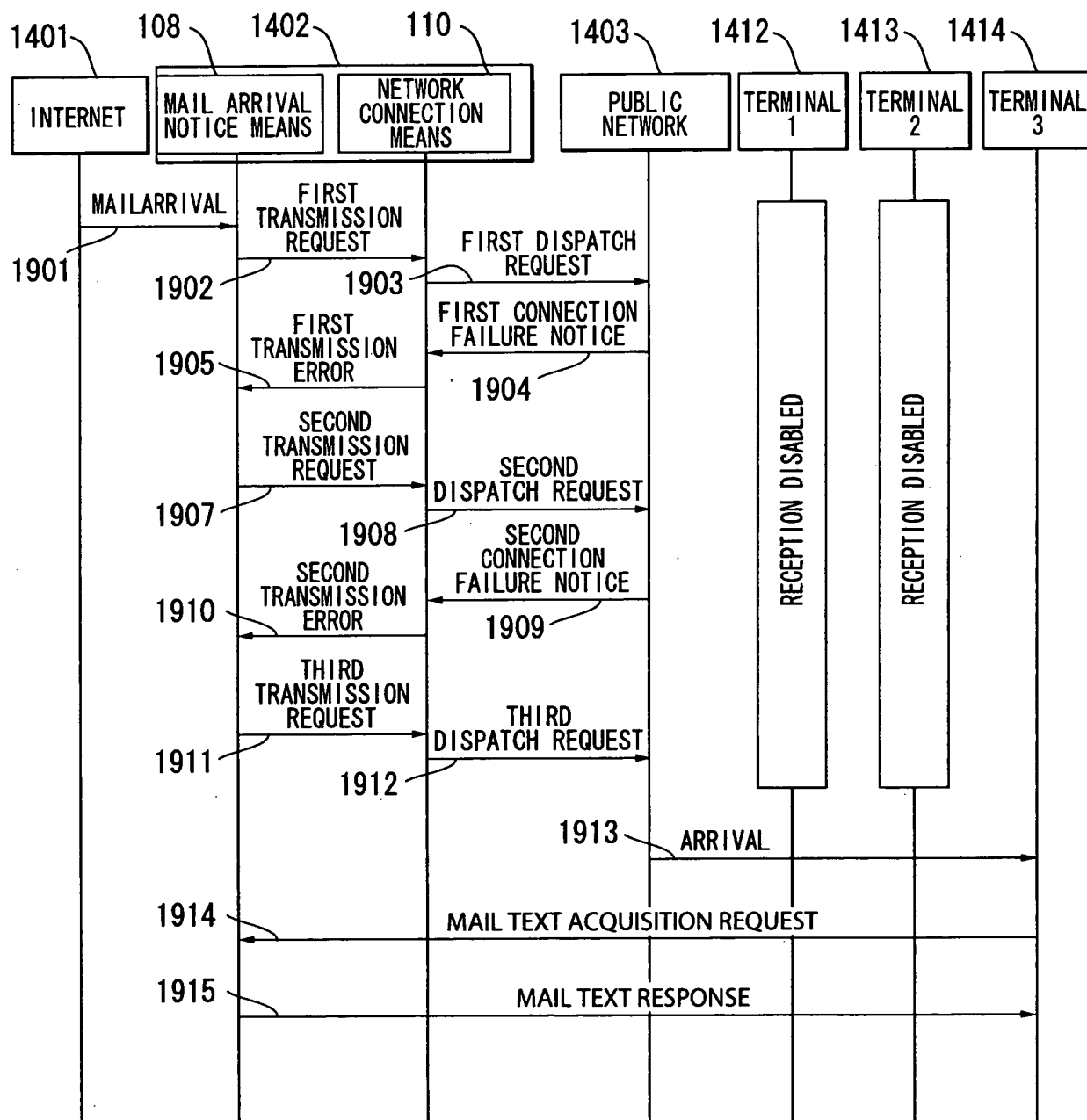
		USER ID		
		hachi	bear	go-inkyō
TERMINAL 1	PHONE NUMBER	090-1894-6532	090-5444-4238	090-5444-4233
	TERMINAL CAPABILITY	CELLULAR PHONE SCREEN 12×8 CHARACTERS ONLY	CELLULAR PHONE SCREEN 12×8 CHARACTERS ONLY	CELLULAR PHONE SCREEN 12×8 CHARACTERS ONLY
TERMINAL 2	PHONE NUMBER	070-3234-8023		
	TERMINAL CAPABILITY	PHS SCREEN 40×20 IMAGE DISPLAY		
TERMINAL 3	PHONE NUMBER	090-1894-6532		
	TERMINAL CAPABILITY	CELLULAR PHONE SCREEN 12×8 IMAGE AND WORD PROCESSOR DISPLAY		
NOTICE CONDITION		From= yashichi@mito.jp	X-Priority < 2	X-Mailer! = Outlook

Fig.18

1601 USER ID	1602 NOTICE DESTINATION PHONE NUMBER	1603 TERMINAL PRIORITY	1604 DETAILED INFORMATION
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Fig.19



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Fig.20

